

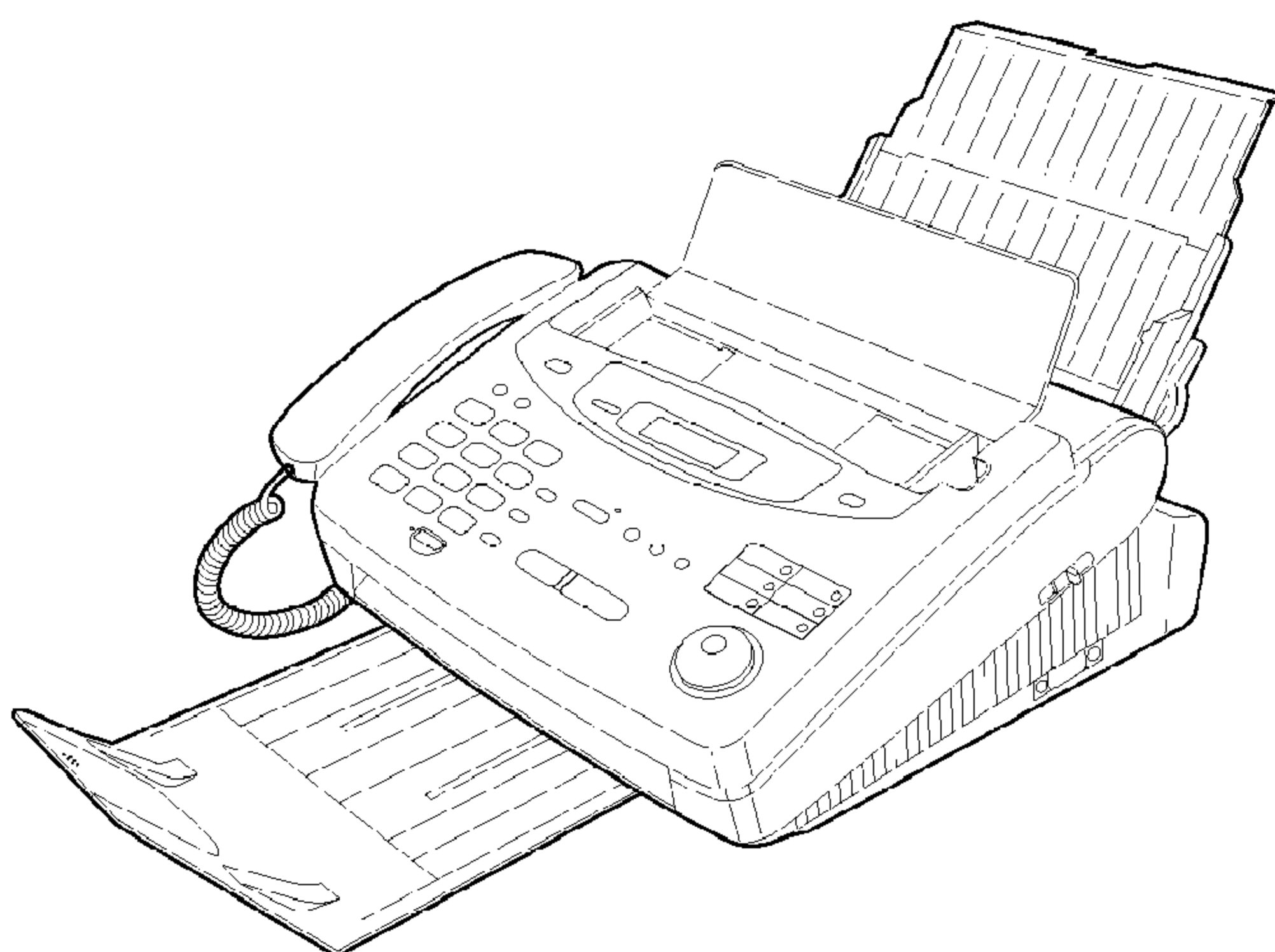
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Service Manual

Compact Plain Paper FAX

KX-FP300E

(for United Kingdom)



Panasonic

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2. Program Mode Table (Change from original page 63.)

Code	Function	Set Value	Default	Remote Setting
001	Set date and time	dd/mm/yy/hh:mm	01/Jan/99	NG
002	Your logo	—	None	NG
003	Your FAX number	—	None	NG
004	Print sending report	1:Error / 2:ON / 3:OFF	Error	OK
007	FAX ring count	1 to 5 rings (for ext. tam)	2	OK
012	Remote T/AM activation	ON / OFF	OFF/ID=11	NG
013	Dialing mode	1:Pulse / 2:Tone	Tone	OK
015	Send by memory	1:ON / 2:OFF	OFF	OK
022	Journal auto print	1:ON / 2:OFF	ON	OK
023	Overseas mode	ON / OFF	OFF	NG
025	Delayed transmission	ON / OFF	OFF	NG
026	Auto caller id list	ON / OFF	ON	OK
030	Silent FAX recognition ring	3 to 6 rings	3	OK
036	Fx reduction	1:92% / 2:86% / 3:72% / 4:OFF	92%	OK
039	LCD contrast	1:Normal / 2:Darker	Normal	OK
040	Silent detection	1:ON / 2:OFF	ON	OK
041	Remote FAX activation code	ON / OFF	ON/ID=9	NG
044	Receive alert	1:ON / 2:OFF	ON	OK
045	Recall mode	1:T-ER / 2:ER	T-ER	OK
046	Friendly reception	1:ON / 2:OFF	ON	OK
049	Auto disconnect	1:ON / 2:OFF	ON	OK
068	Ecm communication	1:ON / 2:OFF	ON	OK
070	FAX Pager call	ON / OFF	OFF	NG
076	Connection tone	1:ON / 2:OFF	ON	OK
077	Auto answer mode	1:TEL / FAX 2: FAX Only	FAX ONLY	OK
078	TEL/FAX Delayed ring	1 to 4 rings	2	OK
079	Film detection	1:ON / 2:OFF	ON	OK
080	Set default	YES / NO	NO	NG
501	Pause time	001-600 x 100msec	035	OK
502	Flash time	01-99 x 10msec	080	OK
503	Dial speed	1:10pps / 2:20pps	10pps	OK
511	Vox senses	1:High / 2:Low	High	OK
520	CEJ frequency	1:2100Hz / 2:1100Hz	2100	OK
521	International mode	1:ON / 2:OFF	ON	OK
522	Auto standby	1:ON / 2:OFF	ON	OK
523	Receive equalizer	1:ON / 2:OFF	OFF	OK
551	ROM check	—	—	NG
552	DTMF signal tone test	ON / OFF	OFF	NG
553	Monitor on FAX communication	1:OFF / 2:Phase B / 3:ALL	OFF	OK
554	Modem test	—	—	NG
555	Scanner test	—	—	NG
556	Motor test	—	—	NG
557	LED test	—	—	NG
558	LCD test	—	—	NG
559	Document jam detection	1:ON / 2:OFF	ON	OK
561	Key test	—	—	NG
563	CCD position adjustment	00-30	—	OK
570	Break % select	1:61% / 2:67%	67%	OK
571	ITS auto redial time set	00-99	03	OK
572	ITS auto redial line disconnection time set	001-999sec	065	OK
573	Remote turn-on ring number	01-99	20	OK
579	Detect bell type	1:Type I / 2:Type II	Type I	OK

Code	Function	Set Value	Default	Remote Setting
590	FAX auto redial time set	00~99	03	OK
591	FAX auto redial line disconnection time set	001~999sec	065	OK
592	CNGtransmit select	1:OFF / 2:ALL / 3:AUTO	ALL	OK
593	Time between CED and 300 bps	1:75ms / 2:500ms / 3:1sec	75ms	OK
594	Overseas DIS detection	1:1st / 2:2nd	1st	OK
595	Receive error limit value	001~999	100	OK
596	Transmit level set	15~00dBm	11	OK
598	Receiving Sensitivity	20~48	43	OK
599	Ecm frame size	1:256 / 2:64	256 byte	OK
700	EXT. TAPI/OGM Rec. time	01~99sec	10sec	OK
701	No voice detect time	01~99	40x100msec	OK
717	Transmit speed select	1:9600 / 2:7200 / 3:4800 / 4:2400	9600bps	OK
718	Receive speed select	1:9600 / 2:7200 / 3:4800 / 4:2400	9600bps	OK
719	Ringer off in TEL/FAX mode	1:ON / 2:OFF	ON	OK
721	Pause tone detect	1:ON / 2:OFF	ON	OK
722	Redial tone detect	1:ON / 2:OFF	ON	OK
745	Power on film feed	1:ON / 2:OFF	ON	OK
763	CNGdetect time for friendly reception	1:10s / 2:20s / 3:30s	30s	OK
771	T1 timer	1:35s / 2:60s	35s	OK
815	Sensor & VOX test	——	——	NG
852	Print test pattern	——	——	NG
853	Top margin	1~9	5	OK
854	Left margin	1~8	5	OK
861	A4 size set	1:ON / 2:OFF	ON	OK
880	Special journal	1:Start	——	NG
890	TEL/FAXring back tone	1:ON / 2:OFF	ON	OK
991	Setup list	1:Start	——	OK
994	Journal list	1:Start	——	OK
995	Journal 2 list	1:Start	——	OK
996	Journal 3 list	1:Start	——	OK
998	History list	1:Start	——	OK
999	Service list	1:Start	——	OK

OK means "can set".

NG means "can not set".

NOTE:

Refer to 2.4.4. SERVICE FUNCTION TABLE for descriptions of the individual codes.

Example:

If you want to set value in the "004 Transmission report mode", press the dial key number 1, 2 or 3 corresponding to the Set Value you want to select. (1: ERROR / 2: ON / 3: OFF)

2.3.3.5. Analog Board Section (Change from original page 75.)

This chapter provides the testing procedures required for the analog parts. A signal route to be tested is determined depending upon purposes. For example, the handset TX route begins at the handset microphone and signal is output to the telephone line. The signal mainly flowing on this route is analog. You can trace the signal with an oscilloscope. The signal flow on each route is shown in the Check Sheet here. If you find a specific problem in the unit, for example if you cannot communicate with the H/S, trace that signal route locally with the following Check Sheet and locate the faulty point.

CHECK SHEET

(SYMPTOM) ITEMS TO CHECK	Signal ROUTE	
	IN	OUT
MONITOR Rx	TEL LINE-T1-R59-C44-IC10(6-7)-J33-C56-C57-R80-R150-C113-IC5(59-41)-C100-R139-IC5(40-38)-C91-R132-IC3(4-5,8)-Speaker	
Handset Tx	MIC-L35-R135-C94-IC5(52,54-63)-C53-R73-IC10(2-1)-C37-R58-R57-T1-TEL LINE L38-R134-C93	
Handset Rx	TEL LINE-T1-R59-C44-IC10(6-7)-J33-C56-C57-R80-R150-C113-IC5(59-45,56) C84-L37-SPEAKER L36	
DTMF monitor	Speaker	{IC505(44)-C593-R610-IC517(6-7)-C604-CN501(10)}-CN7(10)-C126-R155-IC5(76-41)-C100-R139-IC5(40-38)-C91-R132-IC3(4-5,8)-Speaker
	Handset	{IC505(44)-C593-R610-IC517(6-7)-C604-CN501(10)}-CN7(10)-C126-R155-IC5(76-45,46) C84-L37-Speaker L36
DTMF for TEL LINE FAX Tx	{IC505(44)-C593-R610-IC517(6-7)-C604-CN501(10)}-CN7(10)-C126-R159-IC5(73-63)-C53-R73-IC10(2-1)-C37-R58-R57-T1-TFI INF	
Dummy Ring Back tone (TONE 2)	{IC501(39)-R565-R572-C631-CN502(1)}-CN8(1)-R162-C120-IC5(78-63)-C53-R73-IC10(2-1)-C37-R58-R57-T1-TEL LINE	
(TONE 2) RINGING	{IC501(39)-R565-R572-C631-CN502(1)}-CN8(1)-R162-C120-IC5(78-41)-C100-R139-IC5(40-38)-C91-R132-IC3(4-5,8)-SPEAKER	
(TONE 1) Alarm / Beep / Key tone	{IC501(38)-R567-R573-C564-CN501(1)}-CN7(11)-R161-C119-IC5(77-41)-C100-R139-IC5(40-38)-C91-R132-IC3(4-5,8)-SPEAKER	
FAX Rx	TEL LINE-T1-R59-C44-IC10(6-7)-J33-C56-C59-R85-R89-C64-IC2(1-2)-C68-CN7(9)-{CN501(9)-C701-IC801(3-4)-C809-R810-IC803(6-7)-J607-C603-R617-IC517(2-1)-C596-R605-IC505(45)}	
VOX	TEL LINE-T2-C115-R154-IC5(61-67)-C116-R151-IC5(68-70)-C154-D37-R182-IC15(2-1)-R189-CN9(3)-{CN503(3)-R716-IC501(45)}	
DTMF detection	TEL LINE-T2-C115-R154-IC5(61-35)-R180-C150-IC4(1-5)-R174-IC5(25)	
CNG detection	TEL LINE-T2-C115-R154-IC5(61-67)-R167-C134-IC2(10-11)-C68-CN7(9)-{CN501(9)-C701-IC801(3-4)-C809-R810-IC803(6-7)-J607-C603-R617-IC517(2-1)-C596-R605-IC505(45)}	
Caller ID	TEL LINE-T2-C115-R154-IC5(61-67)-R167-C134-IC2(10-11)-C68-CN7(9)-{CN501(9)-C701-IC801(1-2)-J606-C807-R808-IC803(6-7)-J607-C603-R617-IC517(2-1)-C596-R605-IC505(45)}	

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2.4.3. USER MODE (The list below is an example of the SYSTEM SETUP LIST the unit prints out.) (Change from original page 88.)

SETUP LIST

[BASIC FEATURE LIST]

NO.	FEATURE	CURRENT SETTING
#01	SET DATE & TIME	01 Jan. 1999 12:01AM
#02	YOUR LOGO	
#03	YOUR FAX NUMBER	
#04	PRINT SENDING REPORT	ERROR [ERROR,ON,OFF]
#07	FAX RING COUNT	2 [1...5] *5 FOR EXTERNAL TAM
#12	REMOTE TAM ACT.	OFF [ON,OFF]
#13	DIALING MODE	ID = 11 TONE [TONE,PULSE]
#15	SEND BY MEMORY	OFF [ON,OFF]

[ADVANCED FEATURE LIST]

NO.	FEATURE	CURRENT SETTING
#22	JOURNAL AUTO PRINT	ON [ON,OFF]
#23	OVERSEAS MODE	OFF [ON,OFF]
#25	DELAYED TRANSMISSION	OFF [ON,OFF]
	DESTINATION =	
	START TIME = 12:00AM	
#26	AUTO CALLER ID LIST	ON [ON,OFF]
#30	SILENT FAX RECOGNITION RING	3 [3...6]
#36	RCV REDUCTION	92% [92,86,72,100]
#39	LCD CONTRAST	NORMAL [NORMAL,DARKER]
#40	SILENT DETECTION	ON [ON,OFF]
#41	FAX ACTIVATION CODE	ON [ON,OFF]
	CODE = *9	
#44	RECEIVE ALERT	ON [ON,OFF]
#45	RECALL MODE	T_BR [T_BR,E_RE]
#46	FRIENDLY RECEPTION	ON [ON,OFF]
#49	AUTO DISCONNECT	ON [ON,OFF]
	CODE = *0	
#68	ECM COMMUNICATION	ON [ON,OFF]
NOTE : You cannot change the setting of this feature, if there are stored documents in memory.		
#70	FAX PAGER CALL	OFF [ON,OFF]
	DESTINATION =	
#76	CONNECTING TONE	ON [ON,OFF]
#77	AUTO ANSWER MODE	FAX ONLY [FAX ONLY,TEL/FAX]
#78	TEL/FAX DELAYED RING	2 [1...4]
#79	FILM DETECTION	ON [ON,OFF]
#80	SET DEFAULT (EXCEPT #68)	

Note:

The above values are default.

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2.4.4. SERVICE FUNCTION TABLE (Change from original pages 89, 90.)

Code	Function	Set Value	Effective Range	Default	Remarks
501	Pause time set	✕ 100 ms.	001~600	035	
502	Flash time set	✕ 10 ms.	01~99	80	
503	Dial speed select	1. 10 PPS 2. 20 PPS	1, 2	1	
520	CED frequency select	1. 2100 Hz 2. 1100 Hz	1, 2	1	See the Symptom/Countermeasure Table for long distance and international calls in 2.3.3.3.1. Defective facsimile section.
521	International mode select	1. On 2. Off	1, 2	1	See the Symptom/Countermeasure Table for long distance and international calls in 2.3.3.3.1. Defective facsimile section.
522	Auto standby select	1. On 2. Off	1, 2	1	The resolution changes to the default when transmission is completed.
523	Receive equalizer select	1. On (1.8 km) 2. Off (Auto)	1, 2	2	Set the RX equalizer to automatic mode.
550	Memory clear: To reset the values to the default settings, except the top margin (853) and left margin (854).				" START " input
551	ROM check				" START " input
552	DTMF single tone test	1. On 2. Off	1, 2	2	See 2.5. TEST FUNCTION
553	Monitor on FAX communication select	1. Off 2. Phase B 3. All phases	1~3	1	
554	Modem test				See 2.5. TEST FUNCTION
555	Scan check				See 2.5. TEST FUNCTION
556	Motor test			00	See 2.5. TEST FUNCTION
557	LCD test				See 2.5. TEST FUNCTION
558	LCD test				See 2.5. TEST FUNCTION
559	Document jam detection select	1. On 2. Off	1, 2	1	See 2.2.1. Paper Jam.
561	KEY test				See 2.5. TEST FUNCTION
563	Scanner position adjustment value set	✕ 1 mm	00~30	—	
570	BREAK % select	1. 61% 2. 67%	1, 2	2	
571	ITS auto redial time set	✕ number of times	00~99	03	

(Change from original pages 89, 90.)

Code	Function	Set Value	Effective Range	Default	Remarks
572	ITS auto redial line disconnection time set	✕ second	001~999	065	
573	Remote turn-on ring number set	✕ number of rings	01~99	20	
579	Detect bell type	1. Type I 2. Type II	1,2	1	
590	FAX auto redial time set	✕ number of times	00~99	03	
591	FAX auto redial time disconnection time set	✕ second	001~999	065	
592	CNG transmit select	1. Off 2. All 3. Auto	1~3	2	
593	Time between CED and 300 bps	1. 75 ms 2. 500 ms 3. 1 sec	1, 2, 3	1	See the Symptom/Countermeasure Table for long distance and international calls in 2.3.3.3.1. Defective facsimile section.
594	Overseas DIS detection select	1. Detects at the 1st time 2. Detects at the 2nd time	1, 2	1	See the Symptom/Countermeasure Table for long distance and international calls in 2.3.3.3.1. Defective facsimile section.
595	Receive error limit value set	✕ number of times	001~999	100	If the number of errors during transmission exceeds this value, the sending side ends the call.
596	Transmit level set	✕ dBm	-15~00	11	Values entered without a " minus sign " will be regarded as negative.
598	Receiving Sensitivity	43, -43 dBm	20~48	43	Used when there is an error problem. See the Symptom/Countermeasure Table for long distance and international calls in 2.3.3.3.1. Defective facsimile section.
599	ECM frame size	1. 256 byte 2. 64 byte	1,2	1	Used when there is an error problem. See the Symptom/Countermeasure Table for long distance and international calls in 2.3.3.3.1. Defective facsimile section.
700	EXT.TAM OGM REC. time	✕ second	01~99	10	This is the answering machine's OGM recording time.
701	No Voice detect time	✕ 100 msec	01~99	40x100	In the EXT. TAM mode, silence is detected during this period.

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(Change from original pages 89, 90.)

Code	Function	Set Value	Effective Range	Default	Remarks
717	Transmit speed select	1. 9600BPS 2. 7200BPS 3. 4800BPS 4. 2400BPS	1~4	1	Sets the fall back speed in the transmitting mode.
718	Receive speed select	1. 9600BPS 2. 7200BPS 3. 4800BPS 4. 2400BPS	1~4	1	Sets the fall back speed in the receiving mode.
719	Ringer Off in TEL/FAX mode	1. On 2. Off	1, 2	1	Selects whether the ringer is on or off when the unit receives an incoming signal in the TEL/FAX mode.
721	Pause tone detect	1. On 2. Off	1, 2	1	Sets the tone detection mode during the pause.
722	Redial tone detect	1. On 2. Off	1, 2	1	Sets the tone detection mode after redialing.
745	Power ON film feed	1. On 2. Off	1, 2	1	When the power is turned on, the film is wound to take up any slack.
763	CNG detect time for friendly reception	1. 10sec 2. 20sec 3. 30sec	1~3	3	The period while CNG is detected during friendly reception.
771	T1 Timer	1. 35sec 2. 60sec	1, 2	1	Sets a higher value when the response from the other party needs more time during FAX transmission.
815	Sensor & VOX check				Sets the time out.
852	Print test pattern				See 2.5. TEST FUNCTIONS.
853	Top margin		1~9	—	
854	Left margin		1~8	—	
861	A4 size set	1. On 2. Off	1, 2	1	Used only at the factory.
880	History list				See 2.4.7. SPECIAL SERVICE JOURNAL.
881	Journal 2 list				See 2.4.7.3. PRINTOUT EXAMPLE.
882	Journal 3 list				See 2.4.7.3. PRINTOUT EXAMPLE.
890	TEL/FAX 1st ring back tone	1. On 2. Off	1, 2	1	

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2.4.5. SERVICE MODE SETTINGS(Example of the printed out list.)

(Change from original page 91.)

Code

Set Value

511

552

553

559

563

570

571

572

573

579

590

591

592

1

2

1

1

15

2

03

065

20

1

03

065

2

593

594

595

596

598

599

717

718

719

721

722

745

763

1

1

100

11

43

1

1

1

1

1

1

1

3

771

861

890

1

1

1

USAGE TIME = 00000 HOURS

Code

Set Value

511

552

553

559

563

570

571

572

573

579

590

591

592

1

2

1

1

15

2

03

065

20

1

03

065

2

593

594

595

596

598

599

717

718

719

721

722

745

763

1

1

100

11

43

1

1

1

1

1

1

1

3

771

861

890

1

1

1

USAGE TIME = 00000 HOURS

Note:
The above values are default.

6.7. NCU SECTION (Change from original page 155.)

6.7.1. GENERAL

This section is the interface between the telephone line and external telephone. It is composed of an EXT. TEL line relay (RL1), bell detection circuit, pulse dial circuit, pulse dial circuit, auto disconnect circuit, TAM interface circuit, line amplifier and sidetone circuits and a multiplexer.

6.7.2. EXT. TEL. LINE RELAY (RL1)

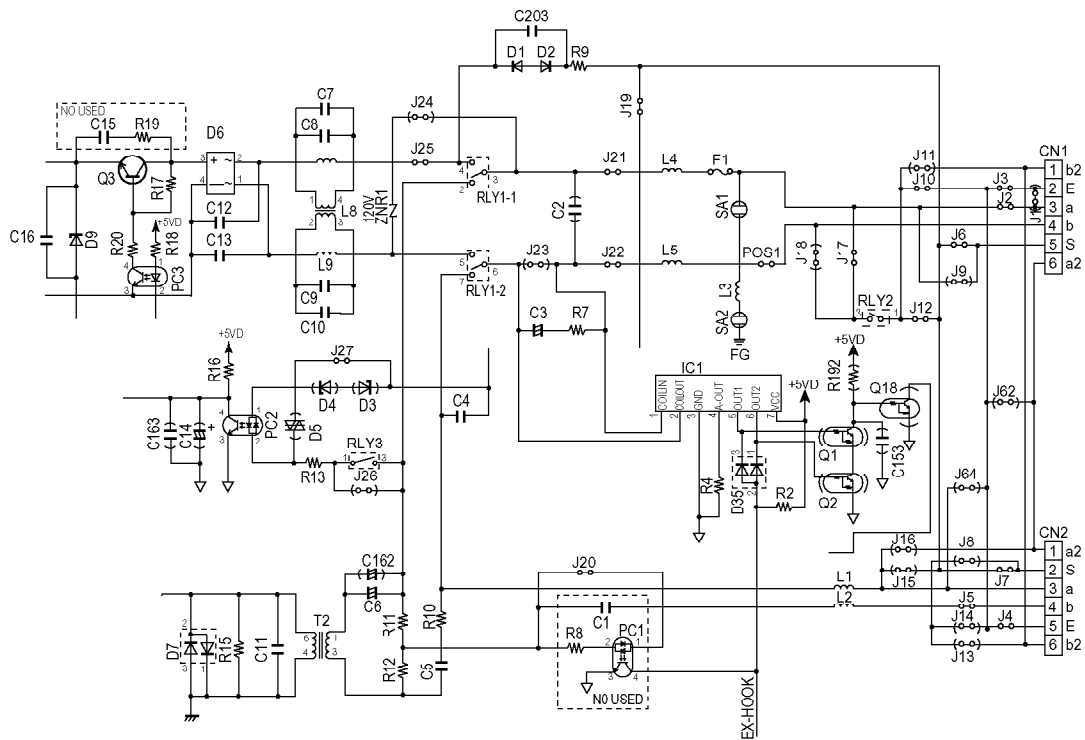
1. Circuit Operation

Normally, this relay switches to the external telephone side (break) and switches to the open side (make) when the unit starts facsimile communication.

{IC5 (26) High Level → Q14 ON → RL1 (make)}

6.7.3. TELEPHONE LINE CONNECTION

Circuit Diagram

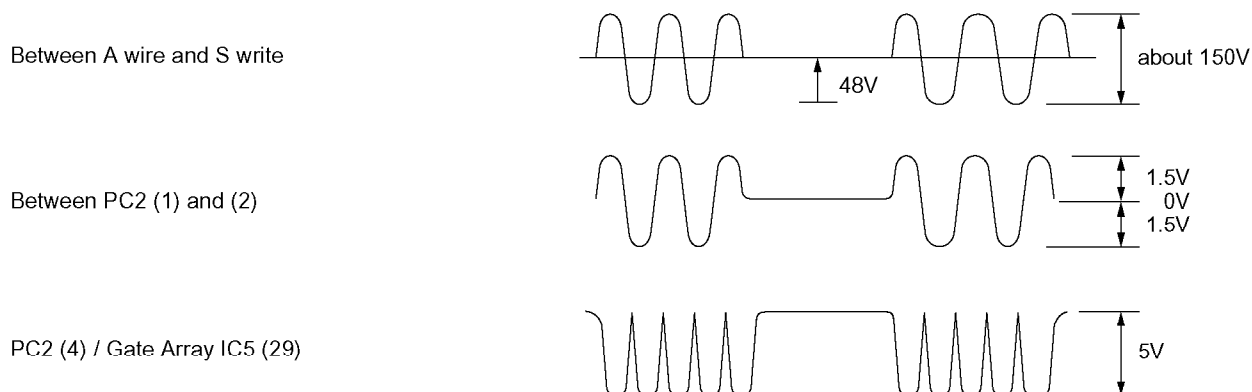


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6.7.4. BELL DETECTION CIRCUIT (Change from original page 156.)

1. Circuit Operation

The signal wave from of each section is indicated below. Signal (low level section) input to pin 29 of gate array IC5 is read out at the CPU and judged as a bell.



TEL LINE → PC(1, 2) → PC2(4) → IC5(29)

6.7.5. PULSE DIAL CIRCUIT

1. Circuit Operation

In the OFF-HOOK Condition, the photocoupler PC3 pin (2) is a low level by the IC5 pin (2), and the PC3 pin (4) is a low level if Q3 is ON. During the pulse dial operation, the PC3 pin (2) becomes a high level by the IC5 pin (2), so that the PC3 pin (4) becomes a high level. If Q3 is ON, then the line is ON and vice versa. The high/low control for the IC5 pin (2) makes the pulse dial operation possible.

IC5 (2) High Level → PC3 (2) High Level → PC3 (4) High Level → Q3 → TEL LINE

6.7.6. TAM INTERFACE CIRCUIT

This circuit is to switch between FAX receiving and the external TAM's message recording automatically. This circuit consists of an EXT. TAM OFF-HOOK detect circuit, monitor transformer, multiplexer, amplifier, and VOX detect circuit. For details, please refer to 9. TAM INTERFACE SECTION.

6.8. SPECIAL CIRCUIT ON THE ANALOG BOARD (Change from original page 158.)

6.8.2. HANDSET ALC (Auto level control) DETECTION

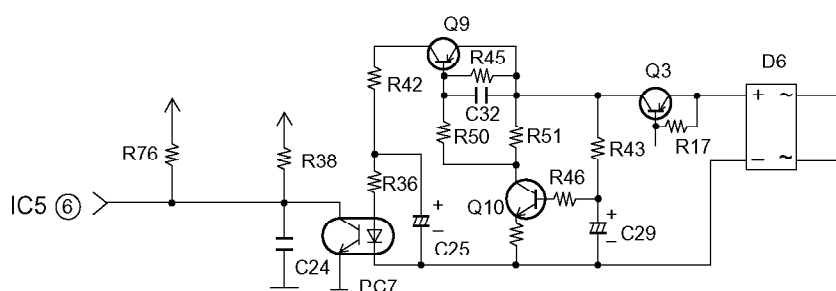
1. Function

In some cases, it is a standard requirement that the sound level of the handset should be low when the circuit current is large (small line loss) and high when the circuit current is small (large line loss). This circuit detects whether the circuit current is large or small. Changes in the level are performed by the electronic volume in the analog G/A IC5.

2. Circuit Operation

The circuit current flows to R51 when in OFF-hook states. If the current at both ends of R51 exceeds approximately 1V, Q9 turns on and PC7 also turns on. As a result, the comparator IC14-6 pin switches to a low level, and the IC14-7 pin and IC5-6 pin switch to a high level.

Circuit Diagram



6.10.2. EXPLANATION OF ANALOG GATE ARRAY (IC5 on the Analog Board)

(Change from original page 161.)

Pin No.	Name	Function	I/O	Pin No.	Name	Function
1	DGND	GND (Digital)	—	41	PROUT1	PRE-AMP1 output
2	BREAK	Controls pulse dialing	O	42	AGND	GND (Analog)
3	MDMRX	FAX RX Signal ON/OFF	O	43	RTONE	Not Used
4	EX-HOOK	Detects EXT. TEL OFF-hook	I	44	RIN	Handset receiver AMP input
5	DCN	Detects parallel TEL OFF-hook	I	45	ROUT1	Handset receiver AMP output 1
6	H/S ALC	Control H/S Volume	I	46	ROUT2	Handset receiver AMP output 2
7	NOT USED	-----	I	47	NOT USED	-----
8	E-RECALL	Controls earth recall relay	O	48	NOT USED	-----
9	P-SHORT	Improves wave form of pulse dialing	O	49	NOT USED	-----
10	WR	Writes enable	I	50	NOT USED	-----
11	RD	Reads enable	I	51	MICIN	MIC AMP input
12	CS	Chip select	I	52	HSMIC-	Handset MIC AMP (-) input
13	D0	Data In/Out	I/O	53	HSMICOUT	Handset MIC AMP output
14	D1	Data In/Out	I/O	54	HSMIC+	Handset MIC AMP (+) input
15	D2	Data In/Out	I/O	55	NL2IN	Side tone suppressing AMP input
16	D3	Data In/Out	I/O	56	NL2OUT	Side tone suppressing AMP output
17	D4	Data In	I	57	NL2IN	Suppressing sensitivity adjustment
18	RS	Resistor select	I	58	VRFF	Reference voltage output
19	RESET	Reset this IC	I	59	LINEIN	Line RX-AMP input
20	DVDD	5V (Digital)	—	60	VCC	5V (Analog)
21	DGND	GND (Digital)	—	61	EXIN	EXT AMP input
22	NOT USED	-----	O	62	EXOUT	EXT AMP output
23	SENSCTR	Controls paper end sensor (PC9)	O	63	LINEOUT	Line TX-AMP output
24	BLACK	Paper end sensor output	I	64	VREF2	Reference voltage output
25	SD	Serial data from DTMF receiver	I	65	ALCIN	ALC-AMP input
26	LINE-RLY	Controls line relay (RLY1)	O	66	ALCDET	Attack/recovery time adjustment
27	SP-MUTE	Mutes control to speaker AMP (IC3)	O	67	PROUT2	PRE-AMP2 output
28	HOOK	Detects hook switch (SW4)	I	68	RECIN	Recording signal input
29	BELL	Detects bell signal	I	69	RECPRIN	Recording PRE-AMP input
30	MDMSRX	SP-Phone RX Signal ON/OFF	O	70	RECPROUT	Recording PRE-AMP output
31	MDMTRX	TAM RX Signal ON/OFF	O	71	LSRXOUT	SP-Phone MIC signal output
32	PT-HOOK	Detects parallel TEL ON-Hook	I	72	PLYOUT	Play AMP output
33	NOT USED	-----	O	73	PLYIN	Play AMP input
34	DVDD	5V (DIGITAL)	—	74	LSTXOUT	SP-Phone speaker signal output
35	Λ OUT	RX signal output to DTMF receiver	—	75	LSTXIN	SP Phone speaker signal input
36	NOT USED	-----		76	TONE IN1	DTMF monitor signal input
37	NOT USED	-----		77	TONE IN2	Alarm/keytone input
38	SPOUT	Speaker AMP output		78	TONE IN3	Ringing signal input
39	SPPROUT	Speaker PRE-AMP output		79	TONE IN4	Pulse dial monitor signal input
40	SPPRIN	Speaker PRE-AMP (-) input		80	AGND	GND (Analog)

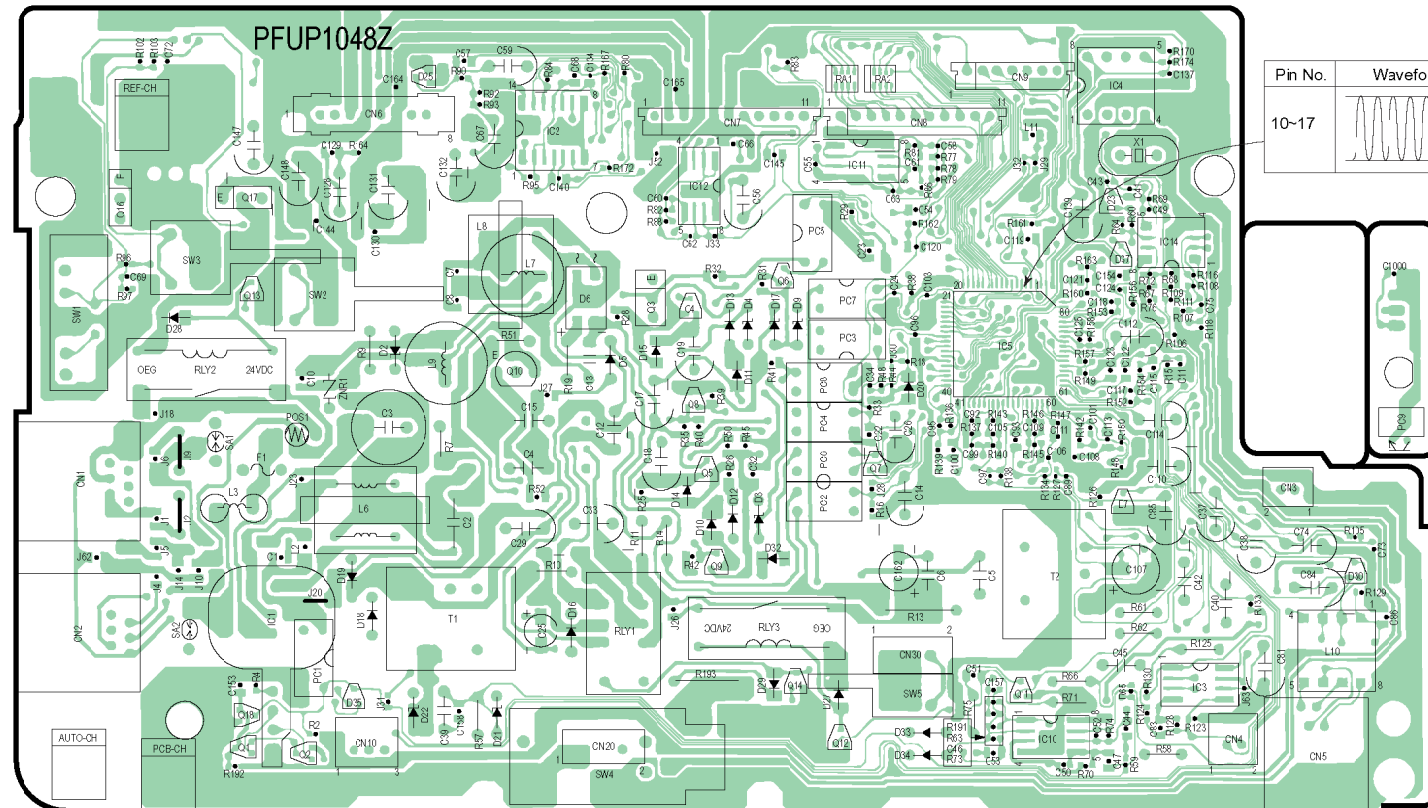
(Model KX-FP300E)

KX-FP300E

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8.3. PRINTED CIRCUIT BOARD (ANALOG BOARD) (Change from original page 169.)

(Component View)



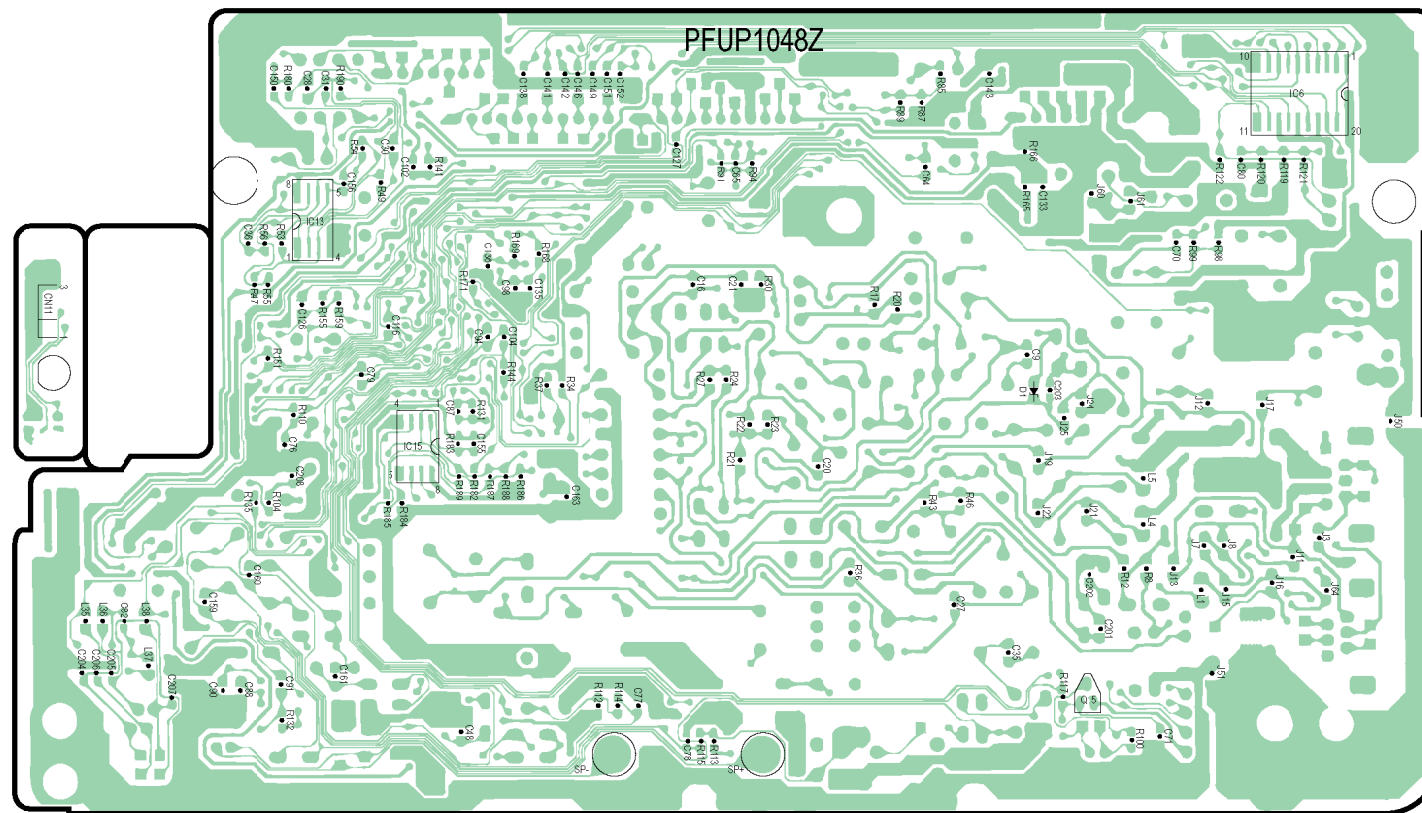
(Model KX-FP300E)

KX-FP300E

KX-FP300E

8.4. PRINTED CIRCUIT BOARD (ANALOG BOARD) (Change from original page 170.)

(Bottom View)

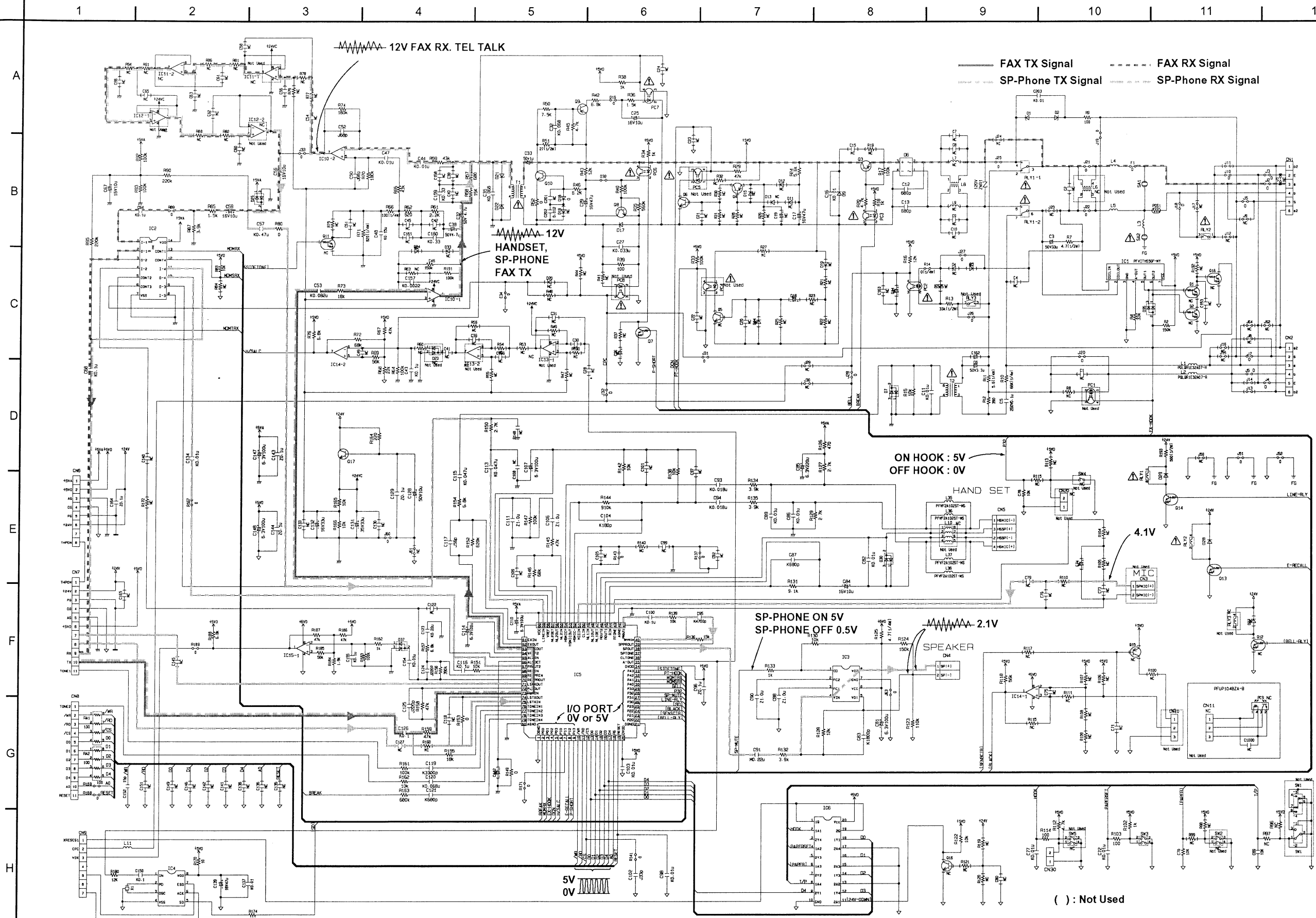


(Model KX-FP300E)

KX-FP300E

KX-FP300E

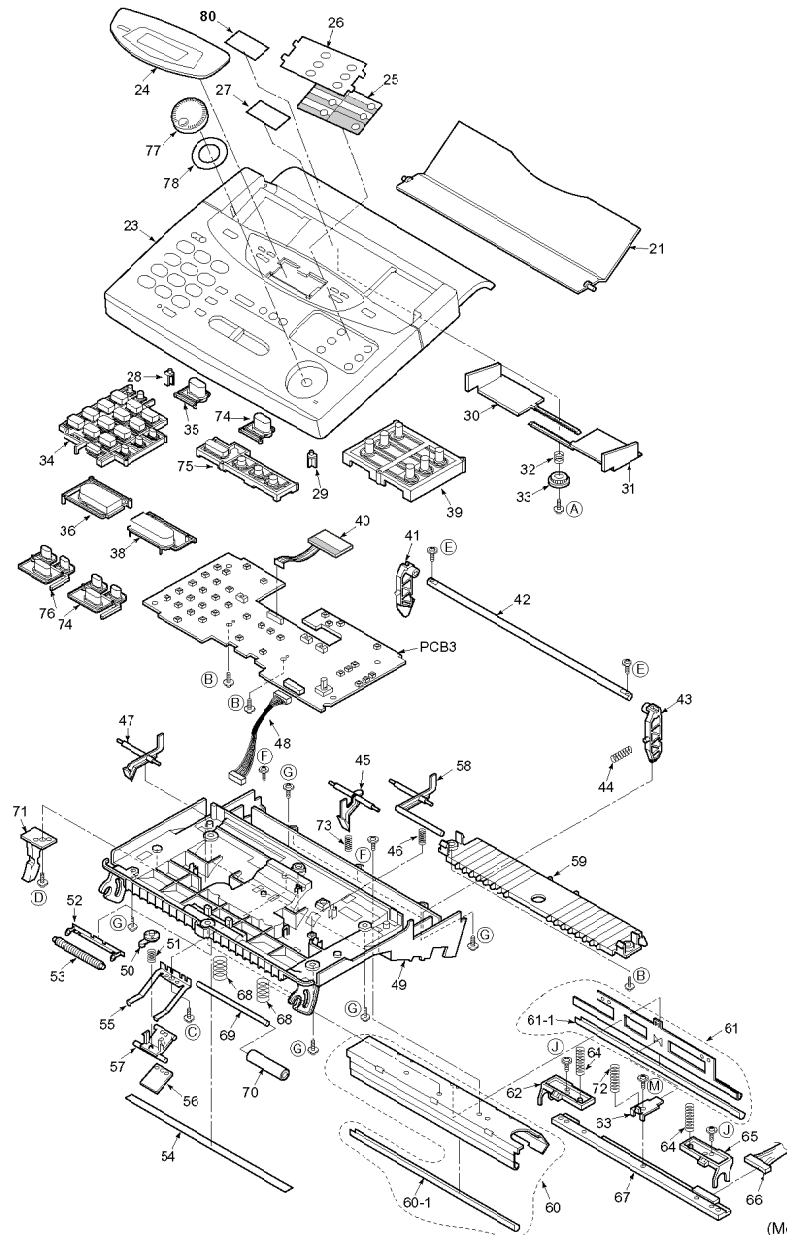
SCHEMATIC DIAGRAM (ANALOG CIRCUIT) (Change from original page 174.)



(Model KX-FP300E)

KX-FP300E

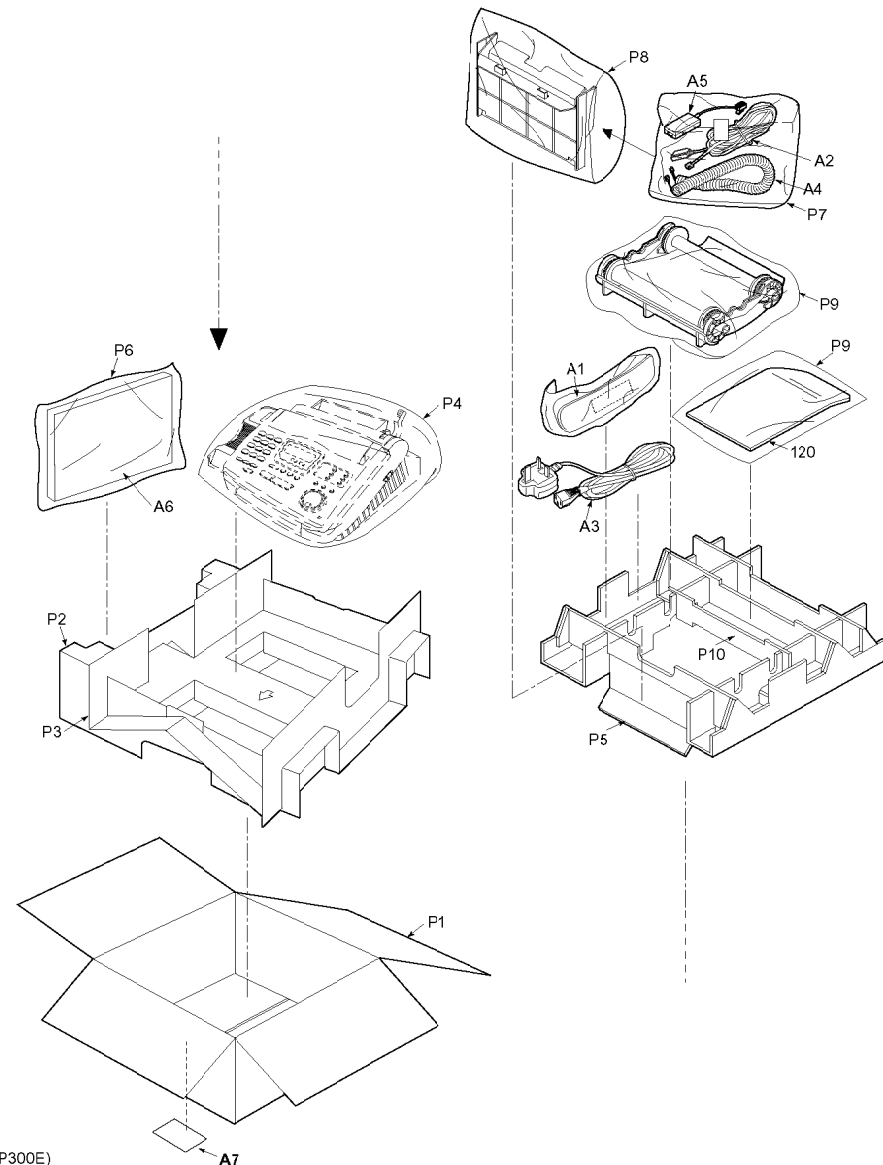
12.1 OPERATION PANEL SECTION (Change from original page 182.)



(Model KX-FP300E)

KX-FP300E

13 ACCESSORIES AND PACKING MATERIALS (Change from original page 187.)



KX-FP300E

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
77	PFBE1002Z2	JOG DIAL	△	143	PQDJ1000Z2	SPACER, ROLLER	S
78	PFHX1199Z	JOG SHEET		144	PFUS1067Z	SPRING, CLUTCH	
79	PQLB5C3	FERRITE CORE		145	PFDG1074Z	GEAR, PICK UP ROLLER	
80	PQQT11671Z	CAUTION LABEL		146	PFUS1122Y	SPRING, EARTH	
		(3. UPPER CABINET/P.C.B. SECTION)		147	XUC2FY	RETAINING RING	
90	PFKM1014Y1	HANDSET CRADLE, UPPER		148	PQHM112Z	CLAMPER	
91	PFBH1004Y1	BUTTON, HOOK		149	PFNW1003Z	WASHER	
92	PFJS03R49Y	CONNECTOR, 3P		150	PFHG1030Z	RUBBER PARTS	
93	PQAS5P13Y	SPEAKER		151	XWE5VW	WASHER	
94	PFJS02R54Z	CONNECTOR, 2P		152	PFDG1036Z	GEAR, ENCODER	
95	PFKM1015Z1	HANDSET CRADLE, LOWER		153	PFUS1065Z	SPRING, BACK TENSION	
96	PFKF1015A1	UPPER CABINET		154	PFUA1009Y	CHASSIS, TX GEAR	
97	PFZEF250M	GUIDE, SEPARATION RUBBER		155	PFDG1032Y	GEAR, IDLER	
97-1	PFHG1045Z	RUBBER PARTS, P. SEPARATION		156	PFDG1033Y	GEAR, IDLER	
97-2	PFIX1114Z	SEPARATION SHEET		157	PFUS1019Z	SPRING, THRUST	
98	PFJS03R52Z	CONNECTOR, 3P		158	PFDG1005Z	GEAR, CHANGE OVER	
99	PFDE1042Z	LEVER, SENSOR		159	PFDE1014Z	ARM, CHANGE OVER	
100	PFUS1068Z	SPRING		160	PFDG1009Z	GEAR, IDLER	S
101	PQHX10155Z	COVER		161	PFDG1008Z	GEAR, IDLER	
102	PQDE10055Z	LEVER, SENSOR		162	PFUS1017Y	SPRING, STATIC ELECTRIC	
103	PFUS1016Z	SPRING		163	PFDG1007Z	GEAR, IDLER	
104	PQLB1E1	FERRITE CORE		164	PFMD1016Y	COVER, MAIN	
105	PFJP03S04Z	AC INLET		165	PFUN1004Z	ROLLER, SEPARATION	
106	PFJS02R19Y	CONNECTOR, 2P		166	PQUS10055Z	SPRING, ONE WAY	
107	PFMD1030Z	COVER		167	PFDG1012Z	GEAR, SEPARATION ROLLER	
108	PFGT1479Z-U	NAME PLATE		168	PFJQ1011Z	TX MOTOR	
109	KR06TT251508	FERRITE CORE		169	PFDG1031Y	GEAR, IDLER	
110	PFHG1050Z	FOOT		170	PFUS1018X	SPRING, STATIC ELECTRIC	
111	PQHM1717	ROM I I D		171	PFDG1039Y	GEAR, RIBBON DRIVE	
112	PFUS1086Z	SPRING		172	PFDG1076Z	GEAR, IDLER	
113	PFHX1170Z	VIBRATION SHEET		173	PFDG1075Z	GEAR, IDLER	
114	PFHX1146Z	VIBRATION SHEET		174	PFUA10137	CHASSIS, RX GEAR	
115	PFHX1171Z	VIBRATION SHEET		175	PFDF1019Y	SHAFT, PARALLEL PIN	
116	PFNW1002Z	WASHER		176	PFDX1011Y	GEAR, WIND TORQUE LIMITER	
117	PFQT1250Z	CAUTION LABEL		177	PFJQ1014Y	RX MOTOR	
118	PFIX1165Z	POWER ENCLOSURE SHEET		178	PFDR1008Z	ROLLER, DUMPER	
119	PFMD1023Z	POWER SHEILD		179	PFJS03R57Z	CONNECTOR, 3 PIN	
120	PFZE1FP300G	PAPER STACKER ASS'Y	△	180	PFUS1071Z	SPRING, OPEN BUTTON	S
120-1	PFKS1020Z1	PAPER STACKER		181	PFHR1048Z	ARM, STOPPER	
120-2	PFKS1021Y1	SUB PAPER STACKER		182	PFJS06Q01Z	CONNECTOR, 6 PIN	
121	Not Used			183	PFJS09R56Z	CONNECTOR, 9 PIN	
122	PQHM112Z	CLAMPER		184	PFHX1139Z	COVER, ROLLING SHEET	
123	PQHR136Z	CLAMPER		185	PFHR1044Z	GUIDE, DUMPER HOLDER	
124	PQHR10215Z	CLAMPER		186	PFYTF200M	OPEN BUTTON ASS'Y	
125	PQHR945Z	LEAD BINDER		187	PQFN51Z	WASHER	
		(4. MECHANICAL SECTION)		188	PFDG1029Y	GEAR, RIBBON DRIVE	
130	PFDF1018Z	SHAFT, RIBON GUIDE		189	PFQT1221Z	INDICATION LABEL	
131	PFDG1027Y	GEAR, PLATEN DRIVE		190	PFHX1171Z	COVER, VIBRATION SHEET	S
132	PFDJ1011Z	SPACER, PLATEN		191	PQIR1C1	FERRITE CORE	
133	PFDN1010Z	ROLLER, PLATEN				(5. CCD UNIT SECTION)	
134	PFDJ1007Z	SPACER, ROLLER		200	PFWLF780M	CHASSIS ASS'Y	
135	PFDN1006Z	ROLLER, DOCUMENT FEED		200-1	PFVDSLA30222	LED ARRAY	
136	PFDG1004Z	GEAR, DOCUMENT FEED		201	PF0G1001Z	TARGET GLASS	
137	PFUS1073Z	SPRING, POP UP		202	PFUS1021Z	SPRING	
138	PFDJ1006Z	SPACER, ROLLER		203	PF0L1001Z	LENS	
139	PFDN1005Z	ROLLER, DOCUMENT FEED		204	PFHE1004Z	NUT	
140	PFDG1003Z	GEAR, DOCUMENT FEED ROLLER		205	PFJS08R58Z	CONNECTOR, 8P	
141	PFKM1033Y1	CABINET, MAIN		206	PFMD1007Z	COVER	
142	PFDN1011Z	ROLLER, PICK UP		207	PFUS1028Z	SPRING	
				208	PF0M1003Z	MIRROR, SMALL	
				209	PF0M1001Z	MIRROR, LARGE	
				210	PF0M1002Z	MIRROR, MIDDLE	

(Model KX-FP300F)

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
ACCESSORIES AND PACKING MATERIALS							
A1	PFJXE0305Z	HANDSET	△ △ 				

(Model KX-FP300E)

KX-FP300E

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description & Value	Remarks	Ref. No.	Part No.	Value	Remarks
		(COMPONENTS PARTS)		R572	ERJ3GEY0R00	0	1
RA501	EXRV8V101JV	COMPONENTS COMBINATION		R573	ERJ3GEYJ223	22K	1
RA502	EXRV8V101JV	COMPONENTS COMBINATION		R575	ERJ3GEYJ121	120	1
RA503	EXRV8V101JV	COMPONENTS COMBINATION		R576	ERJ3GEYJ222	2.2K	1
RA504	EXRV8V101JV	COMPONENTS COMBINATION		R577	ERJ3GEYJ122	1.2K	1
RA505	EXRV8V101JV	COMPONENTS COMBINATION		R578	ERJ3GEYJ221	220	
RA506	EXRV8V101JV	COMPONENTS COMBINATION		R579	ERJ3GEYJ122	1.2K	1
RA507	EXRV8V101JV	COMPONENTS COMBINATION					1
RA508	EXRV8V101JV	COMPONENTS COMBINATION		R581	ERJ3GEYJ821	820	1
		(RESISTORS)		R582	ERJ3GEYJ103	10K	1
				R584	ERJ3GEYJ472	4.7K	1
				R585	ERJ3GEYJ912	9.1K	1
				R586	ERJ3GEYJ223	22K	1
C604	ERJ3GEY0R00	0		R587	ERJ3GEYJ104	100K	
C631	ERJ3GEY0R00	0		R588	ERJ3GEYJ104	100K	1
C701	ERJ3GEY0R00	0					1
				R594	ERJ3GEYJ472	4.7K	1
J604	ERJ3GEY0R00	0		R595	ERJ3GEYJ563	56K	1
J606	ERJ3GEY0R00	0		R596	ERJ3GEYJ103	10K	1
J609	ERJ3GEY0R00	0		R597	ERJ3GEYJ104	100K	1
J610	PQ4R10XJ000	0		R598	ERJ3GEYJ472	4.7K	
				R599	ERJ3GEYJ103	10K	1
L526	PQ4R18XJ000	0					S 1
				R600	ERJ3GEYJ331	330	1
R504	ERJ3GEY0R00	0		R601	ERJ6ENF4752	4.75	1
R505	ERJ3GEYJ223	22K		R602	PQ4R18XJ220	22	1
R506	ERJ3GEYJ823	82K		R603	ERJ3GEYJ103	10K	1
R509	ERJ3GEYJ102	1K		R604	ERJ3GEYJ331	330	1
R510	ERJ3GEYJ102	1K		R605	ERJ3GEYJ332	3.3K	1
R519	ERJ3GEYJ221	220		R606	ERJ3GEYJ563	56K	1
				R607	ERJ3GEYJ562	5.6K	1
R520	ERJ3GEYJ221	220		R608	ERJ3GEYJ473	47K	
R521	ERJ3GEYJ271	270		R609	ERJ3GEYJ103	10K	1
R523	ERJ3GEYJ221	220					1
R524	ERJ3GEYJ221	220		R610	PQ4R10XF1802	18K	1
R525	ERJ3GEYJ221	220		R612	ERJ3GEYJ393	39K	1
R526	ERJ3GEYJ203	20K		R613	PQ4R10XF8662	86.6K	1
				R614	ERJ3GEY0R00	0	1
R530	ERJ3GEYJ472	4.7K		R616	PQ4R10XF8662	86.6K	1
R531	ERJ3GEYJ473	47K		R617	ERJ3GEYJ164	160K	
R533	ERJ3GEYJ473	47K		R618	ERJ3GEYJ103	10K	1
R539	ERJ3GEYJ472	4.7K					1
				R623	ERJ3GEY0R00	0	1
R540	ERJ3GEYJ153	15K		R624	ERJ3GEY0R00	0	1
R542	FRJ3GFY0R00	0		R625	ERJ3GEY0R00	0	1
R546	ERJ3GEY0R00	0		R626	FRJ3GFYJ224	220K	
				R627	ERJ3GEYJ224	220K	1
R550	ERJ3GEYJ101	100					1
R551	ERJ3GEYJ101	100		R631	ERJ3GEYJ103	10K	1
R552	ERJ3GEYJ101	100		R633	ERJ3GEYJ104	100K	1
R554	ERJ3GEYJ472	4.7K		R634	ERJ3GEYJ104	100K	1
R555	ERJ3GEYJ101	100		R636	ERJ3GEYJ101	100	1
R556	ERJ3GEYJ101	100		R637	ERJ3GEYJ472	4.7K	
R557	ERJ3GEYJ101	100		R638	ERJ3GEYJ472	4.7K	1
R558	ECUV1C104KBV	0.1					1
				R643	ERJ3GEYJ101	100	1
R562	ERJ3GEYJ101	100		R644	ERJ3GEYJ101	100	1
R563	ERJ3GEYJ270	27		R648	ERJ3GEYJ472	4.7K	
R565	ERJ3GEYJ222	2.2K		R649	ERJ3GEYJ101	100	1
R567	ERJ3GEYJ222	2.2K					1
R568	ERJ3GEYJ101	100		R653	ERJ3GEYJ103	10K	
R569	ERJ3GEYJ101	100		R654	ERJ3GEYJ103	10K	S 1
							1
R570	FRJ3GFYJ101	100		R704	PQ4R10XJ681	680	1
R571	ERJ3GEYJ105	1M		R705	FRJ3GFYJ221	220	
				R706	ERJ3GEYJ101	100	1

(Model KX-FP300F)

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Value	Remarks	Ref. No.	Part No.	Value	Remarks
R710	ERJ3GEY0R00	0	1	C567	ECUV1H104ZFB	0.1	S
R712	ERJ3GEYJ224	220K	1	C568	ECUV1C224ZFB	0.22	
R713	ERJ3GEYJ224	220K	1	C569	ECUV1C224ZFB	0.22	
R714	ERJ3GEYJ101	100	1				
R715	ERJ3GEYJ101	100	1	C571	ECUV1H103KBV	0.01	
R716	ERJ3GEYJ101	100	1	C572	ECUV1C224ZFB	0.22	
R717	ERJ3GEYJ101	100	1	C573	ECUV1C224ZFB	0.22	
			1	C576	ECUV1H102KBV	0.001	
R720	ERJ3GEY0R00	0	1	C577	ECUV1H102KBV	0.001	
R721	ERJ3GEYJ101	100	1	C579	ECUV1H330JCV	33P	
R722	ERJ3GEYJ101	100	1				
R723	ERJ3GEYJ101	100	1	C583	ECUV1H104ZFB	0.1	S
R724	ERJ3GEYJ101	100	1	C584	ECUV1H333KDV	0.033	S
R725	ERJ3GEYJ101	100	1	C585	ECEA1CK101	100	S
R726	ERJ3GEYJ101	100	1	C586	ECUV1H104ZFB	0.1	S
R727	ERJ3GEYJ101	100	1	C587	ECEA0JK221	220	S
R728	ERJ3GEYJ101	100	1	C588	ECUV1C104KBV	0.1	
R729	ERJ3GEYJ101	100	1	C589	PQCUV1H105JC	1	S
			1				
R730	ERJ3GEYJ472	4.7K		C590	ECUV1H331JCV	330P	S
			1	C591	ECUV1H104ZFB	0.1	S
R808	FRJ3GEYJ392	3.9K	1	C593	PQCUV1C224KB	0.22	
R809	ERJ3GEYJ564	560K		C595	ECUV1H333KDV	0.033	S
R810	ERJ3GEYJ564	560K	1	C596	ECUV1C104KBV	0.1	
				C597	PQCUV1H105JC	1	S
		(CAPACITORS)		C598	ECUV1H102KBV	0.001	
				C599	ECUV1H102KBV	0.001	
C503	ECUV1H1561JCV	560P	1	C601	ECUV1H1331JCV	330P	S
C509	ECUV1H222KBV	0.0022	1	C603	ECUV1C104KBV	0.1	
				C605	ECUV1H104ZFB	0.1	S
C511	ECUV1C104KBV	0.1	1	C607	ECEA1HKS100	10	S
C512	ECUV1H104ZFB	0.1	S 1	C609	ECUV1H104ZFB	0.1	S
C515	ECUV1H102KBV	0.001	1				
C516	ECUV1H102KBV	0.001	1	C610	ECUV1H104ZFB	0.1	S
				C614	ECUV1H104ZFB	0.1	S
C520	ECUV1H104ZFB	0.1	S 1	C615	ECEA1CKS100	10	S
C521	ECUV1H104ZFB	0.1	S 1	C619	ECUV1C104KBV	0.1	
C522	ECUV1H104ZFB	0.1	S 1				
C523	ECUV1C224ZFB	0.22	1	C620	ECUV1H104ZFB	0.1	S
C524	FCU1V1H104ZFB	0.1	S 1	C622	FCFA1VKA470	47	
C527	ECUV1H104ZFB	0.1	S 1	C624	ECUV1H104ZFB	0.1	S
C528	ECUV1H104ZFB	0.1	S 1	C626	ECUV1H102KBV	0.001	
C529	ECUV1H104ZFB	0.1	S 1	C628	ECUV1H104ZFB	0.1	S
C530	ECUV1H472KBV	0.0047	1	C707	ECUV1H150JCV	15P	
C531	ECUV1H120JCV	12P	1	C708	ECUV1H150JCV	15P	
C537	ECUV1H104ZFB	0.1	S 1	C709	ECUV1H150JCV	15P	
C538	ECUV1H150JCV	15P	1	C712	ECUV1H104ZFB	0.1	S
C541	ERJ3GEYJ102	1K	1	C807	ECUV1H562KBV	0.0056	1
C542	ECUV1H104ZFB	0.1	S 1	C808	ECUV1H330JCV	33P	1
C543	ECUV1H104ZFB	0.1	S 1	C809	ECUV1C104KBV	0.1	
C544	ECUV1H104ZFB	0.1	S 1				
C545	ECUV1H104ZFB	0.1	S 1				
C546	ECUV1H102KBV	0.001	1				
C547	ECUV1H104ZFB	0.1	S 1				
C548	ECUV1H102KBV	0.001	1				
C561	ECUV1H120JCV	12P	1				
C562	ECUV1H100DCV	10P	S 1				
C564	ECUV1C104KBV	0.1	1				
C565	ECUV1H104ZFB	0.1	S 1				
C566	FCU1V1H330JCV	33P	1				

(Model KX-FP300E)

KX-FP300E

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
ANALOG BOARD PARTS				(JACK & CONNECTORS)			
PCB2	PFLP1229EZ	ANALOG BOARD ASS'Y (RTL)	△	CN1	PQJJ1T011Z	JACK	△
		(ICs)		CN2	PQJJ1T011Z	JACK	△
IC2	PQVITC4066BF	IC	S	CN4	PQJP02G100Z	CONNECTOR, 2PIN	
IC3	PQVINJM2113M	IC		CN5	PQJJ1T011Z	JACK	
IC4	PQVIMT3274AE	IC	S	CN6	PQJP08B11Z	CONNECTOR, 8PIN	
IC5	AN6116FAQ	IC	△	CN7	PQJS11A10Z	CONNECTOR, 11PIN	
IC6	PQVISN7H244S	IC	S	CN8	PQJS11A10Z	CONNECTOR, 11PIN	
				CN9	PQJS07A10Z	CONNECTOR, 7PIN	
IC10	PQVINJM4558M	IC	S	CN30	PFJP02A09Z	CONNECTOR, 2PIN	
IC14	PQVINJM2903M	IC				(SWITCH)	
IC15	PQVINJM2903M	IC		SW3	PFSH1A02Z	SWITCH, PUSH	
		(TRANSISTORS)				(COILS)	
Q3	2SA1627	TRANSISTOR(SI)	△	L1	PQLQR1E32A07	COIL	
Q7	PQVTDTC143E	TRANSISTOR(SI)		L11	PQLQR2BT	COIL	S
Q8	2SC4155S	TRANSISTOR(SI)	△	L2	PQLQR1E32A07	COIL	
Q9	2SB1218A	TRANSISTOR(SI)		L4	PQLQR1ET	COIL	
Q10	2SC2235	TRANSISTOR(SI)		L5	PQLQR1ET	COIL	
Q13	PQVTDTC143F	TRANSISTOR(SI)		L8	PFLF003	COIL	
Q14	PQVTDTC143E	TRANSISTOR(SI)				(PHOTO COUPLERS)	
Q17	2SD1921Q	TRANSISTOR(SI)		PC2	PQVITLP620K	PHOTO ELECTRIC TRANSDUCER	△
				PC3	PQVIPS2532-1	PHOTO ELECTRIC TRANSDUCER	△
				PC6	PQVIPC817CD	PHOTO ELECTRIC TRANSDUCER	△
				PC7	PQVIPS2532-1	PHOTO ELECTRIC TRANSDUCER	△
		(DIODES)				(RFI AYS)	
D1	MA8033H	DIODE(SI)		RLY1	ATXD20328	RELAY	△
D2	MA4033	DIODE(SI)		RLY2	PQSL108Z	RELAY	△
D6	PFVDDGS1ZB60	DIODE(SI)				(COMPONENTS PARTS)	
D7	MA143	DIODE(SI)		L3	EXCELD35	COMPONENTS PARTS	
D9	MA4180	DIODE(SI)		RA1	EXRV8V101JV	COMPONENTS PARTS	
D17	PQVDH2S2B1	DIODE(SI)		RA2	EXRV8V101JV	COMPONENTS PARTS	
D21	MA4056	DIODE(SI)				(TRANSFORMERS)	
D22	MA4056	DIODE(SI)		T1	PFLT8E003	TRANSFORMER	△
D25	MA143	DIODE(SI)		T2	PFLT8E004	TRANSFORMER	△
D28	RLS71	DIODE(SI)					
D29	RLS71	DIODE(SI)					
D30	MA143	DIODE(SI)					
D35	MA141WA	DIODE(SI)					
D37	MA143	DIODE(SI)					

(Model KX-FP300F)

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description & Value	Remarks	Ref. No.	Part No.	Value	Remarks
		(VARISTORS)		R33	ERJ3GEYJ104	100K	
SA1	PQVDRA311PT3	VARISTOR	△ S	R34	ERJ3GEYJ102	1K	
SA2	PFRZ001Z	VARISTOR	△	R35	PQ4R10XJ564	560K	S
ZNR1	ERZC07DK121	VARISTOR	△	R36	PQ4R10XJ152	1.5K	S
		(OTHERS)		R38	ERJ3GEYJ102	1K	
				R39	PQ4R10XJ101	100	△ S
POS1	PQRPBC120N	THERMISTOR		R40	PQ4R10XJ104	100K	S
X1	PQVBT4.19G2	CERAMIC FILTER	△	R42	PQ4R10XJ682	6.8K	S
		(RESISTORS)		R43	PQ4R10XJ123	12K	S
				R45	PQ4R10XJ472	4.7K	S
D16	ERDS2TJ000	0		R46	PQ4R10XJ622	6.2K	S
D18	ERDS2IJ000	0		R50	PQ4R10XJ752	7.5K	S
D32	ERJ8GEY0R00	0		R51	ERDS1TJ270	27	△ S
J2	ERDS2TJ000	0		R52	PQ4R10XJ000	0	S
J3	PQ4R10XJ000	0	S	R57	ERDS2IJ681	680	△
J4	PQ4R10XJ000	0	S	R58	ERDS2TJ153	15K	△
J5	PQ4R10XJ000	0	S	R59	ERJ3GEYJ433	43K	
J6	PQ4R10XJ000	0	S	R61	ERDS2TJ222	2.2K	
J7	PQ4R10XJ000	0	S	R64	ERJ3GEYJ104	100K	
J10	PQ4R10XJ000	0	S	R65	ERJ3GEYJ433	43K	
J18	PQ4R10XJ000	0	S	R66	ERDS2TJ101	100	
J19	PQ4R10XJ000	0	S	R67	ERJ3GEYJ473	47K	
J20	ERDS2TJ000	0		R68	ERJ3GEYJ223	22K	
J21	PQ4R10XJ000	0	S	R69	FRJ3GFYJ563	56K	
J22	PQ4R10XJ000	0	S	R70	ERJ3GEYJ184	180K	
J25	PQ4R10XJ000	0	S	R71	ERDS2TJ021	020	
J26	PQ4R10XJ000	0	S	R72	ERJ3GEYJ683	68K	
J27	PQ4R10XJ000	0	S	R73	ERJ3GEYJ183	18K	
J28	ERJ3GEY0R00	0		R74	ERJ3GEYJ184	180K	
J31	ERJ3GEY0R00	0		R76	ERJ3GEYJ682	6.8K	
J32	ERJ3GEY0R00	0		R80	ERJ3GEY0R00	0	
J33	ERJ3GEY0R00	0		R83	ERJ3GEYJ103	10K	
J51	ERJ8GEY0R00	0		R85	ERJ3GEYJ152	1.5K	
J52	ERJ8GEY0R00	0		R87	ERJ3GEYJ392	3.9K	
J60	PQ4R10XJ000	0	S	R89	ERJ3GEY0R00	0	
J63	ERJ3GEY0R00	0		R90	ERJ3GEYJ224	220K	
R2	ERJ3GEYJ154	150K		R92	ERJ3GEYJ104	100K	
R4	ERJ3GEYJ333	33K		R93	ERJ3GEYJ104	100K	
R7	ERDS1VJ4R7	4.7		R95	ERJ3GEYJ224	220K	
R9	ERDS1TJ101	100	△ S	R102	FRJ3GFYJ102	1K	
R10	ERDS2TJ683	68K		R103	ERJ3GEYJ101	100	
R11	ERDS2IJ5R6	5.6		R112	ERJ3GEYJ472	4.7K	
R12	PQ4R10XJ391	390	S	R114	ERJ3GEYJ101	100	
R13	ERDS1TJ333	33K		R118	ERJ3GEYJ563	56K	
R14	ERDS2TJ000	0		R122	ERJ3GEYJ103	10K	
R15	ERJ3GEYJ103	10K		R123	ERJ3GEYJ114	110K	
R16	ERJ3GEYJ123	12K		R124	ERJ3GEYJ154	150K	
R17	PQ4R10XJ104	100K	S	R125	ERDS2IJ4R7	4.7	
R18	ERJ3GEYJ102	1K		R126	ERJ3GEYJ471	470	△
R20	PQ4R10XJ472	4.7K	S	R127	ERJ3GEYJ272	2.7K	△
R24	PQ4R10XJ562	5.6K	S	R128	ERJ3GEYJ123	12K	△
R29	ERJ3GEYJ473	47K		R129	ERJ3GEYJ272	2.7K	△
				R130	ERJ3GEYJ103	10K	
				R131	ERJ3GEYJ912	9.1K	
				R132	ERJ3GEYJ392	3.9K	
				R133	FRJ3GFYJ102	1K	
				R134	ERJ3GEYJ392	3.9K	
				R135	ERJ3GEYJ392	3.9K	
				R136	ERJ3GEYJ153	15K	

(Model KX-FP300E)

KX-FP300E

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Value	Remarks	Ref. No.	Part No.	Value	Remarks
R137	ERJ3GEY0R00	0		C32	ECUV1C683KBV	0.068	△
R138	ERJ3GEYJ103	10K		C33	ECEA1HKS010	1	
R139	ERJ3GEYJ103	10K		C34	ERJ3GEY0R00	0	
R141	ERJ3GEY0R00	0		C35	PQCUV1C683KB	0.068	
R142	ERJ3GEYJ103	10K		C37	ECEA1HU4R7	4.7	
R143	ERJ3GEY0R00	0		C38	ECEA1HU4R7	4.7	
R144	ERJ3GEYJ914	910K		C43	ECUV1C104KBV	0.1	
R145	ERJ3GEYJ473	47K		C44	PQCUV1H103KB	0.01	
R146	ERJ3GEYJ683	68K		C46	ERJ3GEYJ154	150K	
R147	ERJ3GEYJ104	100K		C47	PQCUV1H103KB	0.01	
R149	ERJ3GEY0R00	0		C48	PQCUV1C154KB	0.15	
R150	ERJ3GEYJ272	2.7K		C50	ECUV1H680JCV	68P	
R151	ERJ3GEYJ103	10K		C52	ECUV1H680JCV	68P	
R152	ERJ3GEYJ564	560K		C53	PQCUV1C823KB	0.082	
R153	ERJ3GEY0R00	0		C56	ECEA1CKS100	10	
R154	ERJ3GEYJ682	6.8K		C57	PQCUV1C474KB	0.47	
R155	ERJ3GEYJ183	18K		C59	ECEA1CKS100	10	
R156	ERJ3GEYJ394	390K		C64	PQCUV1E104MD	0.1	S
R157	ERJ3GEYJ682	6.8K		C67	ECEA1CKS100	10	S
R158	ERJ3GEYJ473	47K		C68	PQCUV1E104MD	0.1	
R159	ERJ3GEYJ473	47K		C69	ERJ3GEYJ103	10K	
R161	ERJ3GEYJ104	100K		C70	ERJ3GEYJ103	10K	S
R162	ERJ3GEYJ103	10K		C72	ECUV1H103KBV	0.01	
R163	ERJ3GEYJ684	680K		C77	ECUV1H103KBV	0.01	
R164	ERJ3GEYJ221	220		C78	ERJ3GEYJ103	10K	S
R165	PQ4R10XJ103	10K		C81	ECEA0JKS101	100	
R166	PQ4R10XJ103	10K		C82	ECUV1H103KBV	0.01	
R167	ERJ3GEY0R00	0		C83	PQCUV1H182KB	0.0018	S
R168	ERJ3GEY0R00	0		C84	ECEA1HU100	10	
R169	ERJ3GEYJ101	100		C85	ECEA0JK221	220	
R170	ERJ3GEYJ100	10		C86	PQCUV1H103KB	0.01	S
R171	ERJ3GEY0R00	0		C87	ECUV1H681JCV	680P	
R174	ERJ3GEYJ103	10K		C88	PQCUV1H105JC	1	
R180	ERJ3GEYJ123	12K		C89	ECUV1H103KBV	0.01	S
R182	ERJ3GEYJ102	1K		C90	PQCUV1H105JC	1	
R183	ERJ3GEYJ104	100K		C91	PQCUV1C224KB	0.22	
R184	ERJ3GEYJ182	1.8K		C93	PQCUV1H183KB	0.018	S
R185	ERJ3GEYJ563	56K		C94	PQCUV1H183KB	0.018	
R186	ERJ3GEYJ473	47K		C96	PQCUV1E104MD	0.1	
R187	ERJ3GEYJ473	47K		C98	ECUV1H103KBV	0.01	S
R188	ERJ3GEYJ682	6.8K		C100	PQCUV1E104MD	0.1	
R189	ERJ3GEY0R00	0		C102	ECUV1H330JCV	33P	
R191	ERJ3GEYJ104	100K		C103	PQCUV1H103KB	0.01	S
R193	ERD51TJ561	560		C104	ECUV1H181JCV	180P	
		(CAPACITORS)		C106	PQCUV1H105JC	1	
C3	ECEA1HN330S	33		C107	ECEV0JA101	100	S
C5	ECQE2104KF	0.21		C110	ECEA1AU101	100	
C6	ECEA1HN3R3S	3.3		C111	PQCUV1H105JC	1	
C11	ECUV1H103KBV	0.01		C113	PQCUV1C473KB	0.047	S
C12	ECKD2H681KB	680P		C114	ECEA1AU101	100	
C13	ECKD2H681KB	680P		C115	PQCUV1H473MD	0.047	
C16	PQCUV1H103KB	0.01		C116	PQCUV1E104MD	0.1	S
C17	ECEA1CKS470	47		C117	ECUV1H560JCV	56P	
C25	ECEV1CV100	10		C119	PQCUV1H332KB	0.0033	
C27	PQCUV1E333MD	0.033		C120	PQCUV1C683MD	0.068	S
C29	ECEA1CKS470	47		C121	PQCUV1H681JC	680P	
				C123	PQCUV1C224KB	0.22	
				C124	ECUV1H221JCV	220P	S

(Model KX-FP300F)

KX-FP300E

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description & Value	Remarks	Ref. No.	Part No.	Part Name & Description & Value	Remarks
R361	ERJ3GEYJ181	180				(COILS)	
R362	ERJ3GEYJ181	180		L101	ELF18D290	COIL	
R363	ERJ3GEYJ103	10K		L102	ELF18D290	COIL	
R364	ERJ3GEYJ103	10K		L103	EXCELDR35	COIL	
R381	ERJ3GEYJ563	56K		L201	PFLEC10	COIL	
R382	ERJ3GEYJ331	330		L202	PQLQ681388A	COIL	
R383	ERJ3GEYJ331	330		L204	PQLE53	COIL	
R384	ERJ3GEYJ331	330				(VARISTORS)	
R385	ERJ3GEYJ101	100		ZNR101	CRZV10DK750U	VARISTOR	△
R396	ERJ3GEYJ102	1K		ZNR102	ERZV10DK471U	VARISTOR	△
R397	ERJ3GEYJ102	1K		ZNR103	ERZV10DK471U	VARISTOR	△
		(SWITCHES)				(PHOTO COUPLER)	
SW301-304	EVQ11Y05B	SWITCH					
SW306-310	EVQ11Y05B	SWITCH					
SW311-320	EVQ11Y05B	SWITCH					
SW321-330	EVQ11Y05B	SWITCH					
SW331-334	EVQ11Y05B	SWITCH					
SW336	EVQ11Y05B	SWITCH		PC101	0N31 /1	PHOTO COUPLER	
SW350	EVQVEHF1712B	SWITCH				(RESISTORS)	
POWER SUPPLY BOARD PARTS				R101	ERDS1J105	1M	
PCB5	PFLP1206EZL	POWER SUPPLY BOARD ASS'Y (RTL)	△	R102	ERDS2TJ823	82K	
		(ICs)		R103	ERDS2TJ823	82K	
IC101	PFVIFA5317P	IC		R104	ERG2SJ104	100K	
IC202	PFVINJM2360A	IC		R105	FRX2SJR22	0.22	
		(TRANSISTORS)		R106	ERDS2FJ100	10	
Q101	PFVTF55KM16A	TRANSISTOR(SI)	△	R107	ERDS2SJ470	47	
Q201	2SC1740S	TRANSISTOR(SI)	△	R108	ERDS2FJ150	15	
		(DIODES)		R109	ERG1SJ470	47	
D101	PFVD1N4005	DIODE(SI)	△	R121	PQ4R10XJ103	10K	
D102	PFVD1N4005	DIODE(SI)	△	R122	PQ4R10XJ471	470	
D103	PFVD1N4005	DIODE(SI)	△	R123	PQ4R10XJ182	1.8K	
D104	PFVD1N4005	DIODE(SI)	△	R124	PQ4R10XJ181	180	
D105	PFVDFG01C	DIODE(SI)		R125	PQ4R10XJ101	100	
D106	MA165	DIODE(SI)		R126	PQ4R10XJ562	5.6K	
D107	PQVDERA1802	DIODE(SI)		R127	PQ4R10XJ222	2.2K	
D108	MA4220	DIODE(SI)		R201	ERG1SJR33	0.33	
D109	PQVDERA1506	DIODE(SI)		R202	ERD2STJ682	6.8K	
D110	MA4220	DIODE(SI)		R204	ERD2STJ104	100K	
D201	PFVDSF5LC20U	DIODE(SI)		R221	PQ4R10XJ182	1.8K	
D202	MA4075M	DIODE(SI)		R222	PQ4R10XJ102	1K	
D203	PQVDERA81004	DIODE(SI)		R223	PQ4R10XJ562	5.6K	
D204	MA4075M	DIODE(SI)		R224	PQ4R10XJ223	22K	
D205	MA165	DIODE(SI)		R225	PQ4R10XJ123	12K	
		(CONNECTORS)		R227	PQ4R10XJ392	3.9K	
CN31	PQJP2D98Z	CONNECTOR,2P	△	R228	PQ4R10XJ122	1.2K	
CN301	PQJP6G100Z	CONNECTOR,6P	△			(CAPACITORS)	
CN302	PQJS08A36Z	CONNECTOR,8P	△	C101	ECQU2A104MV	0.1	△
				C102	ECQU2A104MV	0.1	△
				C103	PFKDE2GA102K	0.001	△
				C104	PFKDE2GA102K	0.001	△
				C105	ECKDNA222ME	0.0022	△
				C106	PFCEA400S560	56P	
				C107	ECKD3A470KBP	47P	
				C108	ECKD3A102KBP	0.001	

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KX-FP300E

This replacement parts list is for KX-FP300E only.

Ref. No.	Part No.	Part Name & Description & Value	Remarks
R401	ERDS2TJ821	(RESISTORS) 820	
R402	ERDS2TJ332	3.3K	
R403	ERDS2TJ821	820	
R404	ERDS2TJ332	3.3K	
SW401	ESE14A211	(SWITCH) SWITCH, HOOK	
FIXTURES AND TOOLS			
EC1	Not Used		
EC2	PQZZ2K12Z	EXTENSION CORD, 2P	
EC3	PQZZ2K13Z	EXTENSION CORD, 2P	
EC4	PQZZ3K5Z	EXTENSION CORD, 3P	
EC5	PQZZ3K7Z	EXTENSION CORD, 3P	
EC6	PQZZ3K12Z	EXTENSION CORD, 3P	
EC7	PFZZ5K13Z	EXTENSION CORD, 5P	
EC8	PQZZ6K14Z	EXTENSION CORD, 6P	
EC9	PQZZ8K15Z	EXTENSION CORD, 8P	
FC10	PQ778K18Z	EXTENSION CORD, 8P	
EC11	PFZZ8K23Z	EXTENSION CORD, 8P	
EC12	PQZZ9K4Z	EXTENSION CORD, 9P	
EC13	PQZZ9K7Z	EXTENSION CORD, 9P	
EC14	PQZZ10K4Z	EXTENSION CORD, 10P	
EC15	PQZZ11K8Z	EXTENSION CORD, 11P	
EC16	PFZZ7K15Z	EXTENSION CORD, 7P	
	PFZZ1F780M	CCD TOOL (See 3.3. CCD ADJUSTMENTS)	
	PFZZFP200M	SENSOR BOARD TOOL (See 4. DISASSEMBLY INSTRUCTIONS)	
	KM79811245C0	BASIC FACSIMILE TECHNIQUE (for training service technicians)	
		Notes: 1. Sensor Board Tools and Extension Cords (Ref. No. EC2, EC10) are necessities for servicing. 2. Extension Cords (Ref. No. EC1, EC3-EC9, EC11-15) are useful servicing. (They make servicing easy.)	

(Model KX-FP300F)

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